NOAA XCFSA-5560 MF-1

NAT'L MARINE FISHERIES SERVICE
APR 8 11 51 AM '71
HONOLULU LABORATORY

D.O. Lib.

A UNITED STATES DEPARTMENT OF COMMERCE PUBLICATION

CURRENT FISHERIES STATISTICS NO. 5560

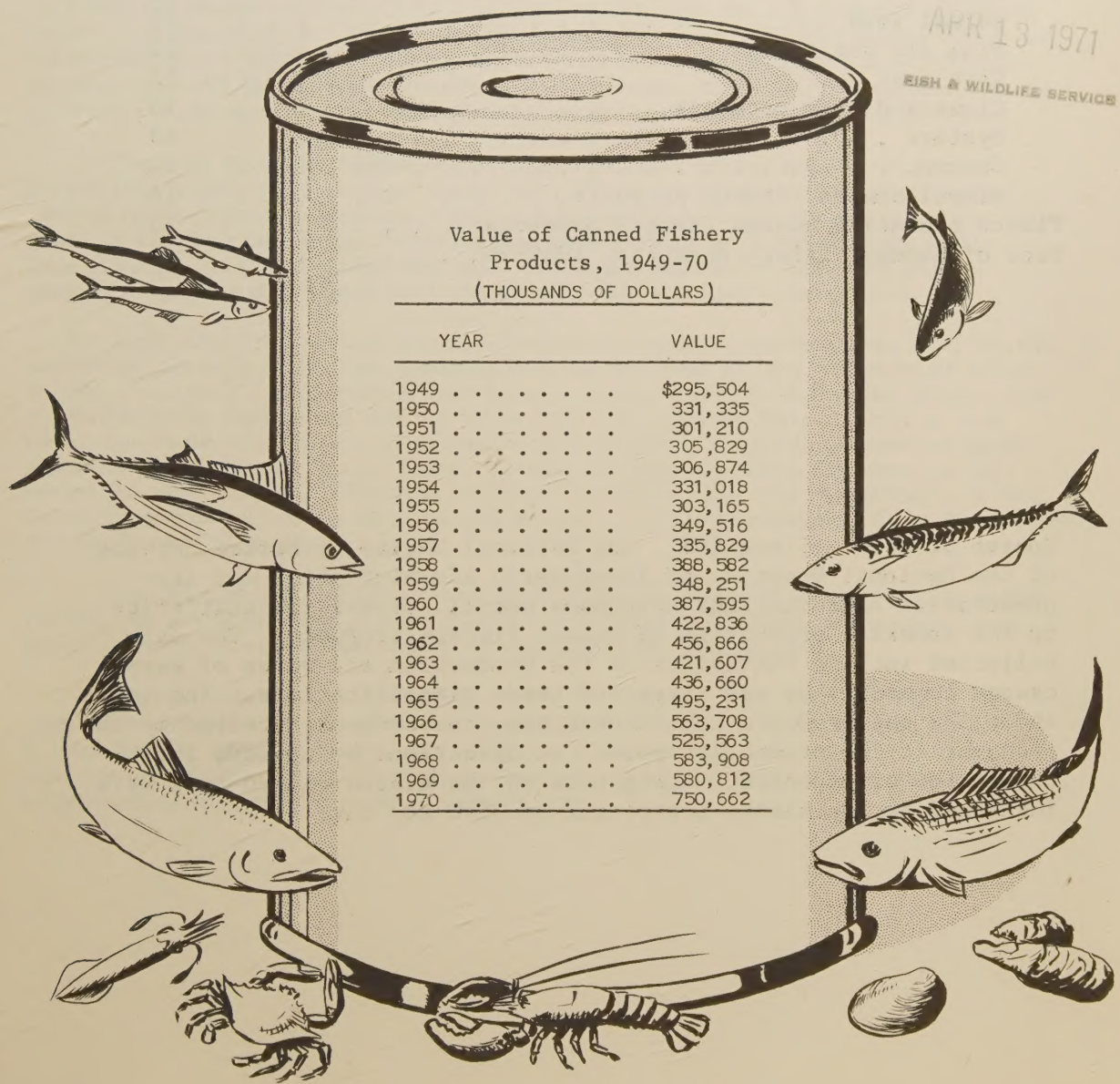
Canned Fishery Products -1970

Washington, D.C.
March 1971

U.S. DEPARTMENT OF COMMERCE / National Oceanic and Atmospheric Administration
National Marine Fisheries Service

Annual Summary

LIBRARY
APR 13 1971
FISH & WILDLIFE SERVICE



Value of Canned Fishery Products, 1949-70
(THOUSANDS OF DOLLARS)

YEAR	VALUE
1949	$295,504
1950	331,335
1951	301,210
1952	305,829
1953	306,874
1954	331,018
1955	303,165
1956	349,516
1957	335,829
1958	388,582
1959	348,251
1960	387,595
1961	422,836
1962	456,866
1963	421,607
1964	436,660
1965	495,231
1966	563,708
1967	525,563
1968	583,908
1969	580,812
1970	750,662

CONTENTS

	Page
Review	3
Summary of production, by products	6
Value of production, by States	7
Factors used to convert standard cases to pounds	7
Pack of canned fish and shellfish, etc.:	
Salmon	8
Maine sardines	9
Pacific sardines	9
Tuna	10
Tunalike fish	10
Alewives	11
Mackerel	11
Shad	11
Animal food	11
Fish roe and caviar	12
Crab meat	12
Clams and clam products	13
Oysters	13
Shrimp	14
Miscellaneous fishery products	14
Plants producing canned fishery products	15
Pack of canned fishery products, 1949-70	16

Source of data:--Since 1921, the National Marine Fisheries Service of the National Oceanic and Atmospheric Administration and its predecessor organizations have made annual surveys for statistics on the domestic production of canned fishery products. The data collected include statistics on the production and value of each canned commodity by can sizes and trade classifications. The value shown for the products constitutes the gross amount received by the producer at the production point, no deductions being made for commission or expenses. Statistics on the Alaska canned pack were furnished by the Alaska Department of Fish and Game.

REVIEW

The 1970 pack of canned fishery products in the United States, American Samoa, and Puerto Rico was 46.5 million standard cases (1.4 billion pounds) valued at $750.7 million to the packers. This was an increase of 6.2 million cases (192.6 million pounds) in volume and $169.8 million in value compared with 1969. There were record packs of tuna, shrimp, and animal (pet) food and larger production of salmon, crab meat, clams and clam products, and oyster meat. The canned pack of tunalike fish, Maine sardines, mackerel, alewives, and squid were less than in 1969.

The pack for human consumption (812.6 million pounds) was 104.0 million pounds more than in 1969, while the amount for bait and animal food increased 88.5 million pounds. Five items--salmon, tuna, shrimp, clam products and animal food--accounted for 92 percent of the total value of all canned fishery products. Animal (pet) food containing less than 10 pounds of fish per standard case (4,279,615 standard cases valued at $29,524,100) was not included in the 1970 data.

Salmon:--The 1970 pack of Pacific salmon totaled 3.9 million standard cases (187,840,608 pounds) valued at $142.7 million compared with the 2.5 million cases valued at $97.2 million packed in 1969. It was the largest pack since 1966 (4.4 million cases) and the second largest since 1954. Production in Washington and Oregon was less than in the previous year--all the gain was in Alaska where production increased by 63 percent. Alaska accounted for 94 percent of the volume and 91 percent of the value of the total 1970 pack.

The total Northwest Pacific salmon catch was 396.7 million pounds--61 percent greater than in 1969 and the largest since 1949. Preseason forecasts in Alaska predicted that the red or sockeye salmon run to Bristol Bay would be 50 to 60 million fish and that there would be excellent pink salmon fishing around Kodiak Island and in Southeastern Alaska. Only at Kodiak did the prediction hold true. The Bristol Bay run fell somewhat short of predictions and the pink salmon run to Southeastern Alaska failed to materialize.

Tuna:--The 1970 pack of tuna was a record 22.1 million standard cases (438,049,685 pounds) valued at $380.1 million compared with the 1969 pack of 20.0 million cases valued at $297.5 million. It exceeded the previous record pack of 1968 by 2.1 million cases. Over two-thirds of the total volume was packed as light meat tuna; the rest, albacore or white meat. The Pacific Coast led in production with 55 percent of the total, followed by Puerto Rico with 29 percent; the Atlantic Coast, Hawaii, and American Samoa accounted for the rest of the pack. In 1960, California produced 70 percent of the total pack whereas in 1970, California accounted for only 48 percent of the total. Greater production at Puerto Rico caused this decline in California.

The catch of tuna landed in the continental United States and Hawaii was 393 million pounds. An additional catch of 92.3 million pounds taken by American flag vessels, was landed at Puerto Rico, American Samoa, or exported to European markets.

The tuna catch landed at California ports was well above the 1969 landings. Bluefin tuna fishing was off, but good catches of skipjack were taken and a record catch of yellowfin was landed. Albacore fishing was excellent off the northern coast of California but rather poor off Oregon. Total albacore landings from waters off the Pacific Northwest were slightly above the excellent landings made in 1969.

In accordance with the recommendations of the Inter-American Tropical Tuna Commission, the 1970 quota of yellowfin tuna from the eastern tropical Pacific was held to 120,000 tons and the fishery closed on March 23, 1970. After the quota was taken, a reported total of 25 American flag vessels operated in eastern Atlantic waters off West Africa and another group of eight tuna seiners fished on an exploratory basis in the western Pacific Ocean.

Sardines:--The 1970 pack of Maine sardines (sea herring) totaled 805,590 standard cases (18.8 million pounds) valued at $11.2 million. Compared with 1969, this was a decrease of 237,000 cases and was the second smallest pack since 1938. Twenty-one sardine canneries operated at less than full capacity throughout the year. Poor fishing was experienced throughout the Gulf of Maine. Studies on the effect of environmental conditions on the habits, supply, and movement of herring along the Maine Coast were begun in 1970 under a grant by the Maine Sardine Council to The Research Institute of the Gulf of Maine and The Maine Medical Center to supplement biological research that has been carried on by State and Federal agencies during the past 25 years.

There was no canning of Pacific sardines in 1970. A law passed by the California Legislature in 1967 established a two-year moratorium on the taking of sardines in California waters excepting a 15 percent allowance for sardines taken incidentally with catches of mackerel. In 1969, the moratorium on sardine fishing was continued indefinitely. Landings of 427,000 pounds in 1970 were much better than the 90,000 pounds landed in 1969.

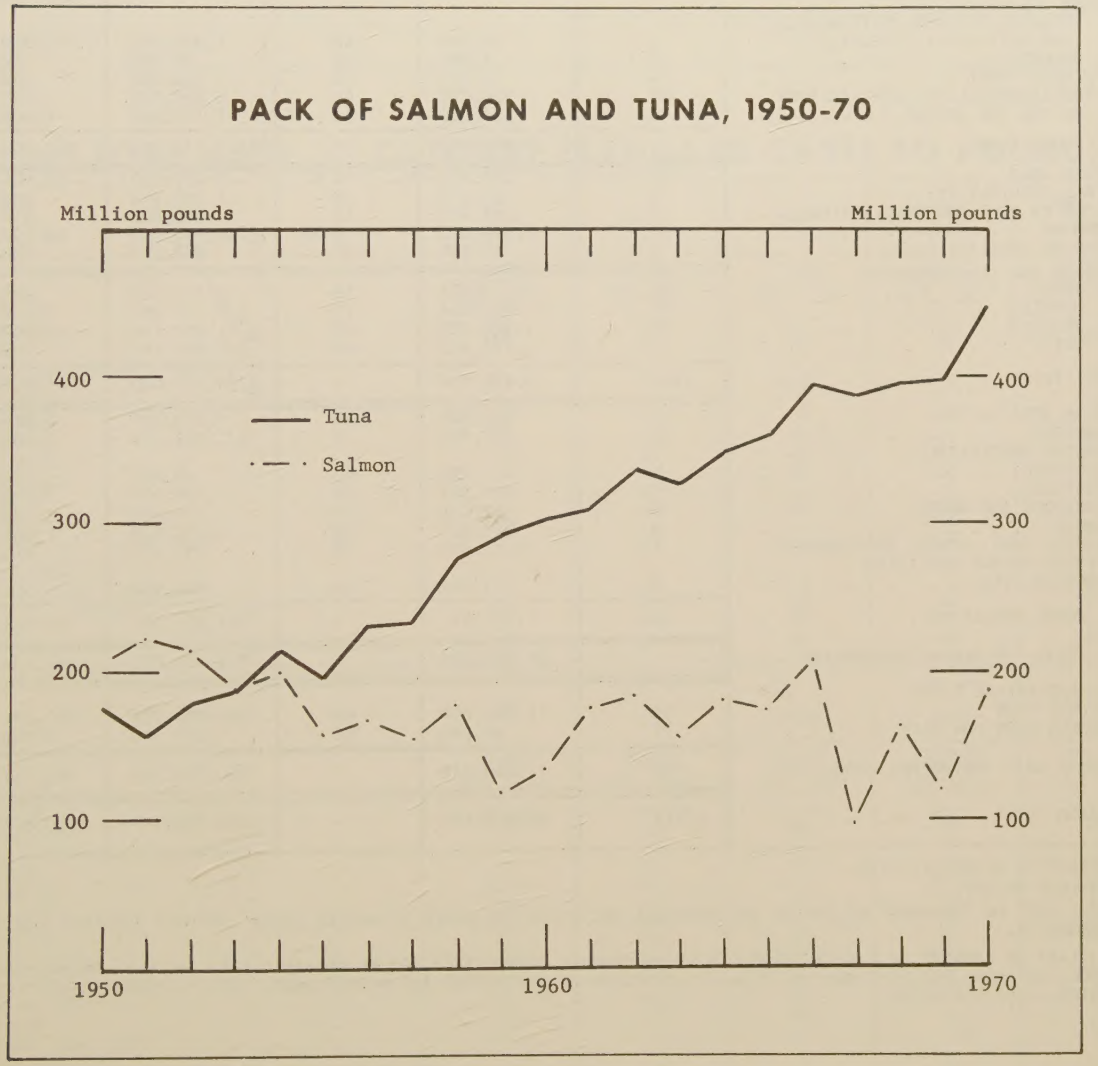
Mackerel:--The 1970 pack of canned Pacific and jack mackerel was 188,609 standard cases (8.5 million pounds) valued at $1.5 million compared with the 385,646 cases valued at $3.3 million packed in 1969. There was no fishing effort lost due to exvessel price disputes or contract negotiations and jack mackerel appeared in fairly productive quantities on southern California fishing grounds at the beginning of 1970. However, many of the fishing vessels concentrated on the anchovy fishery at the expense of jack mackerel causing lower landings. Legislature changes in August 1970 established a moratorium on taking Pacific mackerel, excepting for an allowable 18 percent taken incidentally to other fishing operations and which are mixed with other fish in the lot. The moratorium will remain in effect until the 61st day after adjournment of the 1972 Regular Legislative Session.

Shrimp:--The 1970 pack of shrimp was a record 3.9 million standard cases (26.5 million pounds) valued at $39.0 million, exceeding the previous record canned pack of 1937 by 736,000 cases and the 1969 production by 1.1 million cases. Canned production in Washington, Oregon, and Maine was off by 83,000 cases but Texas, Louisiana, and Mississippi production increased by 513,000 cases, and Alaska by 658,000 cases. Although shrimp are landed in Southeastern Alaska, Prince William Sound, Cook Inlet, and in the Chignih area, the industry is mainly centered around Kodiak Island. New equipment (vessels and peeling machines) are being put into use and the Alaskan shrimp industry is developing rapidly.

Crabs:--The 1970 pack of crab meat (269,411 standard cases valued at $13.8 million) increased from the 1969 production of 257,216 cases valued at $13.2 million. The pack of blue crab meat (104,284 cases) along the Atlantic and Gulf was just below the record 106,774 cases produced in the previous year. On the Pacific Coast, Dungeness crab declined from 63,120 cases in 1969 to 61,852 cases in 1970 and king crab from 70,699 cases to 66,949 cases. Offsetting these decreases was a good increase in the pack of snow crab meat.

Production increased from 16,623 cases in 1969 to a record 36,326 cases in 1970. In 1970 the Food and Drug Administration ruled that "snow" has been the common or usual name for crab meat from the Chionoecetes genus and that "queen" is of relatively recent origin; thus, the name "snow" will be used for labelling and "queen" will be prohibited.

Clams:--The 1970 pack of clams and clam products (2.4 million cases valued at $24.9 million) was above the 2.3 million cases valued at $21.6 million that was produced in 1969. The 1970 pack was the fourth highest on record. The output of whole and minced clams amounted to 522,148 cases valued at $9.3 million while production of clam chowder and juice totaled 1.9 million cases valued at $15.6 million.



SUMMARY OF PRODUCTION, BY PRODUCTS, 1970

PRODUCT	NUMBER OF PLANTS	STANDARD CASES	POUNDS PER CASE	POUNDS	VALUE
CANNED PRODUCTS:					
FOR HUMAN CONSUMPTION:					
SALMON	113	3,913,346	48	187,840,608	$142,660,636
SARDINES, MAINE	21	805,590	23.4	18,850,806	11,226,817
TUNA:					
SOLID	27	6,231,683	21	130,865,343	120,037,232
CHUNKS	18	14,539,593	19.5	283,522,064	244,957,017
FLAKES AND GRATED	18	1,314,571	18	23,662,278	15,083,761
TOTAL	1/27	22,085,847	-	438,049,685	380,078,010
TUNALIKE FISH	5	139,541	21-19.5-18	2,814,899	1,450,339
ALEWIVES	4	43,601	45	1,962,045	272,409
MACKEREL	6	188,609	45	8,487,405	1,535,935
GEFILTEFISH	4	295,903	48	14,203,344	5,680,355
SALMON, SMOKED	33	2,969	48	142,512	280,661
STURGEON, SMOKED	12	439	48	21,072	35,379
TUNA SPECIALITIES:					
CREAMED, SPREADS, WITH NOODLES, AND WITH CHILI	5	28,599	48	1,372,752	520,878
SMOKED	5	1,366	48	65,568	48,536
ANCHOVY PASTE	4	3,416	48	163,968	134,727
MISCELLANEOUS FISH SPECIALITIES	24	124,590	48	5,980,320	1,977,201
FISH ROE AND CAVIAR	15	24,572	48	1,179,456	4,966,268
TOTAL FISH	-	27,658,388	-	681,134,440	550,868,151
CRAB MEAT	32	269,411	19.5	5,253,515	13,831,006
CRAB SPECIALTIES	8	26,019	48	1,248,912	660,676
LOBSTER MEAT AND SPECIALTIES	6	14,916	48	715,968	410,704
SHRIMP	37	3,924,560	6.75	2/26,490,708	38,992,294
SHRIMP SPECIALTIES	9	17,855	48	857,040	358,971
CLAMS AND CLAM PRODUCTS:					
WHOLE	10	7,624	15	3/114,360	292,278
MINCED	15	514,524	15	3/7,717,860	9,012,220
CHOWDER	13	1,708,673	30	3/51,260,190	14,599,383
JUICE	9	196,373	30	3/5,891,190	995,428
TOTAL	1/29	2,427,194	-	3/64,983,600	24,899,309
CLAM SPECIALTIES	14	131,631	48	6,318,288	2,357,505
OYSTERS	12	271,968	7	2/1,903,776	2,101,517
OYSTER SPECIALTIES:					
SMOKED	5	692	48	33,216	58,194
STEWS	9	265,837	48	12,760,176	5,089,758
BISQUE AND SOUPS	3	3,630	48	174,240	33,053
SQUID	8	196,636	48	9,438,528	1,002,907
TURTLE MEAT, SOUPS, AND CHOWDERS	4	7,484	48	359,232	213,899
MISCELLANEOUS SHELLFISH SPECIALTIES	9	19,384	48	930,432	658,927
TOTAL SHELLFISH	-	7,577,217	-	131,467,631	90,668,720
TOTAL FOR HUMAN CONSUMPTION	-	35,235,605	-	812,602,071	641,536,871
BAIT AND ANIMAL FOOD:					
ANIMAL FOOD	49	11,243,808	48	539,702,784	105,231,587
SALMON EGGS FOR BAIT	11	21,040	48	1,009,920	3,893,183
TOTAL BAIT AND ANIMAL FOOD	60	11,264,848	-	540,712,704	109,124,770
GRAND TOTAL	1/311	46,500,453	-	1,353,314,775	750,661,641

1/ EXCLUSIVE OF DUPLICATION.

2/ DRAINED WEIGHT.

3/ "CUT OUT" OR "DRAINED" WEIGHT OF CAN CONTENTS ARE GIVEN FOR WHOLE OR MINCED CLAMS, AND NET CONTENTS FOR OTHER CLAM PRODUCTS.

NOTE:--LIST OF CANNERS OF FISHERY PRODUCTS BY INDIVIDUAL COMMODITIES MAY BE OBTAINED FROM THE U.S. DEPARTMENT OF COMMERCE, NATIONAL MARINE FISHERIES SERVICE, DIVISION OF STATISTICS AND MARKET NEWS, 1801 N. MOORE STREET, ARLINGTON, VIRGINIA 22209

VALUE OF PRODUCTION, BY STATES, 1970

STATE	CANNED FISHERY PRODUCTS
	VALUE
MAINE	$18,459,038
MASSACHUSETTS AND CONNECTICUT	22,601,098
NEW YORK	8,763,409
NEW JERSEY	17,686,238
PENNSYLVANIA AND DELAWARE	9,528,677
MARYLAND	12,200,395
VIRGINIA	751,152
NORTH CAROLINA AND SOUTH CAROLINA	3,853,614
FLORIDA AND TEXAS	205,492
MISSISSIPPI	17,741,590
LOUISIANA	26,492,865
ILLINOIS, KANSAS, AND NEBRASKA	186,819
MICHIGAN AND WISCONSIN	3,539,620
ALASKA	149,608,467
WASHINGTON	23,308,770
OREGON	35,267,294
CALIFORNIA	222,253,493
HAWAII AND AMERICAN SAMOA	60,408,672
PUERTO RICO	117,804,938
TOTAL	750,661,641

FACTORS USED TO CONVERT STANDARD CASES TO POUNDS

PRODUCT	1941	1942	1943	1944 TO 1947	1948 TO 1951
	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE
SARDINES:					
MAINE	25	20.3	20.3	20.3	20.3
PACIFIC	48	45	45	45	45
TUNA AND TUNALIKE FISHES:					
SOLID	21	22.5	22.5	21	21
CHUNKS	-	-	-	(1)	(1)
FLAKES	21	18	18	18	18
MACKEREL	48	45	45	45	45
ALEWIVES	48	48	45	45	45
ANCHOVIES	48	48	48	48	48
SHAD	48	48	48	45	45
FISH FLAKES	48	48	48	42	42
OYSTERS	15	15	22.5	22.5	14
SHRIMP, WET PACK	17.25	21	21	21	15
CLAM PRODUCTS:					
WHOLE AND MINCED	15	15	15	15	15
JUICE, CHOWDER, BROTH, ETC.	30	30	30	30	30
CRABS	39	39	39	39	19.5
ALL OTHER	48	48	48	48	48

PRODUCT	1952	1953 TO 1957	1958 TO 1964	1965 TO 1969	1970
	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE
SARDINES:					
MAINE	20.3	20.3	23.4	23.4	23.4
PACIFIC	45	45	45	45	45
TUNA AND TUNALIKE FISHES:					
SOLID	21	21	21	21	21
CHUNKS	19.5	19.5	19.5	19.5	19.5
FLAKES	18	18	18	18	18
MACKEREL	45	45	45	45	45
ALEWIVES	45	45	45	45	45
ANCHOVIES	48	31.25	31.25	31.25	31.25
SHAD	45	45	45	45	45
FISH FLAKES	42	48	48	48	48
OYSTERS	14	14	14	14	7
SHRIMP, WET PACK	15	15	15	6.75	6.75
CLAM PRODUCTS:					
WHOLE AND MINCED	15	15	15	15	15
JUICE, CHOWDER, BROTH, ETC.	30	30	30	30	30
CRABS	19.5	19.5	19.5	19.5	19.5
ALL OTHER	48	48	48	48	48

1/ PRIOR TO 1952 CHUNK PACK TUNA WAS INCLUDED WITH THE FLAKE PACK. NOTE:--THE FACTORS LISTED ABOVE WERE USED IN CONVERTING STANDARD CASES REPORTED IN THE CANNED FISHERY PRODUCTS BULLETINS FOR THE YEARS INDICATED.

PACK OF SALMON, 1970

(STANDARD CASES)

SPECIES	ALASKA		WASHINGTON	
	CASES	VALUE	CASES	VALUE
CHINOOK OR KING . .	27,019	$1,101,938	2,728	$117,718
CHUM OR KETA. . . .	471,763	12,928,615	14,067	452,545
PINK.	1,326,334	43,843,005	11,191	437,797
RED OR SOCKEYE. . .	1,794,402	69,708,002	108,702	6,802,250
SILVER OR COHO. . .	56,186	2,135,979	41,175	1,905,138
TOTAL	3,675,704	129,717,539	177,863	9,715,448

SPECIES	OREGON		TOTAL	
	CASES	VALUE	CASES	VALUE
CHINOOK OR KING 1/	1/19,919	1/$1,195,944	49,666	$2,415,600
CHUM OR KETA. . . .	1,146	33,942	486,976	13,415,102
PINK.	1	40	1,337,526	44,280,842
RED OR SOCKEYE. . .	1,796	112,277	1,904,900	76,622,529
SILVER OR COHO. . .	36,663	1,870,728	134,024	5,911,845
STEELHEAD	254	14,718	254	14,718
TOTAL	59,779	3,227,649	3,913,346	142,660,636

1/ INCLUDES A SMALL PACK PRODUCED IN CALIFORNIA.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT 1 POUND CANS, EACH CONTAINING 16 OUNCES. SALMON WERE CANNED IN 24 PLANTS IN WASHINGTON, 9 IN OREGON, 77 IN ALASKA, AND 3 IN CALIFORNIA. THE PACK OF SMOKED SALMON IS INCLUDED IN THE TABLE "PACK OF MISCELLANEOUS FISHERY PRODUCTS."

PACK OF SALMON, BY CAN SIZES, 1970

(STANDARD CASES)

STATE AND SPECIES	CAN SIZE							
	4-POUND TALL		1-POUND TALL		1/2-POUND FLAT		1/4-POUND FLAT	
	CASES	VALUE	CASES	VALUE	CASES	VALUE	CASES	VALUE
ALASKA:								
CHINOOK OR KING .	10	$341	11,211	$400,195	13,420	$586,948	2,378	$114,454
CHUM OR KETA. . .	29,977	906,869	390,840	10,573,343	50,151	1,419,807	795	28,596
PINK.	93,763	3,134,510	1,092,792	35,351,276	139,708	5,354,869	71	2,350
RED OR SOCKEYE. .	34,410	1,448,420	1,245,176	41,510,475	400,608	20,716,436	114,208	6,032,671
SILVER OR COHO. .	6,520	247,880	27,207	973,833	20,044	821,845	2,415	92,421
TOTAL.	164,680	5,738,020	2,767,226	88,809,122	623,931	28,899,905	119,867	6,270,492
WASHINGTON:								
CHINOOK OR KING .	-	-	664	22,014	1,982	90,825	82	4,879
CHUM OR KETA. . .	500	14,176	3,786	109,198	9,713	326,723	68	2,448
PINK.	-	-	2,191	64,324	8,615	355,812	385	17,661
RED OR SOCKEYE. .	300	11,200	22	946	50,345	2,859,865	58,035	3,930,239
SILVER OR COHO. .	763	27,460	11,412	419,154	13,462	596,064	15,538	862,460
TOTAL.	1,563	52,836	18,075	615,636	84,117	4,229,289	74,108	4,817,687
OREGON:								
CHINOOK OR KING 1/	-	-	544	31,290	16,610	962,907	2,765	201,747
CHUM OF KETA. . .	600	17,400	223	6,240	323	10,302	-	-
PINK.	-	-	-	-	1	40	-	-
RED OR SOCKEYE. .	-	-	-	-	370	20,692	1,426	91,585
SILVER OR COHO. .	742	27,450	3,073	110,110	14,399	612,220	18,449	1,120,948
STEELHEAD	-	-	-	-	-	-	254	14,718
TOTAL.	1,342	44,850	3,840	147,640	31,703	1,606,161	22,894	1,428,998
GRAND TOTAL. .	167,585	5,835,706	2,789,141	89,572,398	739,751	34,735,355	216,869	12,517,177

1/ INCLUDES A SMALL PACK PRODUCED IN CALIFORNIA.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CANS CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT 1 POUND CANS, EACH CONTAINING 16 OUNCES.

WASHINGTON AND OREGON SALMON PACK BY DISTRICTS, 1970

(STANDARD CASES)

SPECIES	PUGET SOUND		COLUMBIA RIVER		COASTAL		TOTAL	
	CASES	VALUE	CASES	VALUE	CASES	VALUE	CASES	VALUE
CHINOOK OR KING	788	$36,933	21,025	$1,231,968	1/ 834	1/$44,761	22,647	$1,313,662
CHUM OR KETA	12,385	407,827	2,436	67,684	392	10,976	15,213	486,487
PINK	9,159	378,797	2,033	59,040	-	-	11,192	437,837
RED OR SOCKEYE	108,588	6,795,633	1,910	118,894	-	-	110,498	6,914,527
SILVER OR COHO	37,570	1,776,735	38,698	1,929,263	1,570	69,868	77,838	3,775,866
STEELHEAD	-	-	254	14,718	-	-	254	14,718
TOTAL	168,490	9,395,925	66,356	3,421,567	2,796	125,605	237,642	12,943,097

1/ INCLUDES A SMALL PACK PRODUCED IN CALIFORNIA.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CANS CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT 1 POUND CANS, EACH CONTAINING 16 OUNCES.

PUGET SOUND SALMON PACK, BY ORIGIN OF FISH, 1970

SPECIES	PUGET SOUND FISH	ALASKAN FISH	TOTAL FISH
	CASES	CASES	CASES
CHINOOK OR KING	476	312	788
CHUM OR KETA	1,473	10,912	12,385
PINK	674	8,485	9,159
RED OR SOCKEYE	97,724	10,864	108,588
SILVER OR COHO	36,586	984	37,570
TOTAL	136,933	31,557	168,490

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT 1 POUND CANS, EACH CONTAINING 16 OUNCES.

PACK OF MAINE SARDINES, 1970

STYLE OF PACK	STANDARD CASES	VALUE
IN SOYBEAN OIL	658,063	$9,439,924
IN OLIVE OIL	1,873	30,302
IN MUSTARD SAUCE	82,350	1,092,805
IN TOMATO SAUCE	41,923	346,365
OTHER (IN PEANUT OIL AND WITH CHILI PEPPERS)	21,381	317,421
TOTAL	805,590	11,226,817

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE UNIFORM BASIS OF ONE HUNDRED 1/4 OIL CANS (3-3/4 OUNCES NET) TO THE CASE. SARDINES WERE CANNED IN 21 PLANTS IN MAINE.

PACK OF PACIFIC SARDINES, 1970

A LAW PASSED BY THE CALIFORNIA LEGISLATURE IN 1967 ESTABLISHED A TWO-YEAR MORATORIUM ON THE TAKING OF SARDINES IN CALIFORNIA WATERS, EXCEPTING AN ALLOWABLE 15 PERCENT TOLERANCE FOR SARDINES TAKEN INCIDENTALLY IN MIXED CATCHES OF MACKEREL. IN 1969, THE MORATORIUM ON SARDINE FISHING WAS CONTINUED INDEFINITELY. THERE WAS NO PRODUCTION OF CANNED PACIFIC SARDINES IN 1969-70.

PACK OF TUNA, 1970

(STANDARD CASES)

SPECIES	CALIFORNIA		WASHINGTON AND OREGON		ATLANTIC COAST, HAWAII AND TERRITORIES		TOTAL	
	CASES	VALUE	CASES	VALUE	CASES	VALUE	CASES	VALUE
ALBACORE:								
SOLID PACK. . .	1,168,481	$23,349,884	692,002	$16,168,741	2,835,561	$56,073,713	4,696,044	$95,592,338
CHUNKS.	494,558	9,758,942	243,597	4,565,664	1,135,589	21,738,820	1,873,744	36,063,426
FLAKES AND GRATED	71,353	861,706	70,831	836,056	282,331	3,478,806	424,515	5,176,568
TOTAL	1,734,392	33,970,532	1,006,430	21,570,461	4,253,481	81,291,339	6,994,303	136,832,332
LIGHT MEAT:								
SOLID PACK. . .	1,007,387	16,114,768	(1)	(1)	528,252	8,330,126	1,535,639	24,444,894
CHUNKS.	7,418,444	122,364,825	567,075	8,740,842	4,680,330	77,787,924	12,665,849	208,893,591
FLAKES AND GRATED	429,799	4,711,225	15,400	193,025	444,857	5,002,943	890,056	9,907,193
TOTAL	8,855,630	143,190,818	582,475	8,933,867	5,653,439	91,120,993	15,091,544	243,245,678
GRAND TOTAL .	10,590,022	177,161,350	1,588,905	30,504,328	9,906,920	172,412,332	22,085,847	380,078,010

1/ THE PACK OF LIGHT MEAT SOLID HAS BEEN INCLUDED WITH ALBACORE. NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT NO. 1/2 TUNA CANS TO THE CASE, EACH CONTAINING 7 OUNCES NET WEIGHT OF SOLID PACK, 6-1/2 OUNCES NET WEIGHT OF CHUNKS, AND 6 OUNCES NET WEIGHT OF FLAKES OR GRATED. THE PACK OF DIETETIC TUNA IS INCLUDED IN THESE TOTALS. TUNA WERE CANNED IN 8 PLANTS IN CALIFORNIA, 7 PLANTS IN OREGON, 4 PLANTS IN WASHINGTON, 4 PLANTS IN PUERTO RICO, 2 PLANTS IN AMERICAN SAMOA, AND 1 PLANT EACH IN MARYLAND AND HAWAII. DATA ON THE PACK OF TUNA SPECIALTIES CAN BE FOUND IN THE TABLE "PACK OF MISCELLANEOUS FISHERY PRODUCTS." THE PACK OF TUNA FOR ANIMAL FOOD IS NOT INCLUDED IN THE ABOVE TABLE.

PACK OF TUNA, BY CAN SIZES, 1970

CAN AND CASE SIZE	ACTUAL CASES	VALUE
4 POUND . . . . . (12 CANS) . . .	448,946	$14,260,017
1 POUND . . . . . (48 CANS) . . .	1,147,296	36,561,163
1/2 POUND . . . . . (48 CANS) . . .	15,852,036	269,666,252
1/4 POUND . . . . . (48 CANS) . . .	1,911,334	22,157,379
9-1/4 OUNCES . . . . . (24 CANS) . . .	3,041,985	36,893,482
OTHER SIZES (CONVERTED TO STANDARD CASES)	32,265	539,717
TOTAL.	22,433,862	380,078,010

PACK OF TUNA, BY AREAS AND STATES, 1970

(STANDARD CASES)

AREA AND STATE	CASES	VALUE	AREA AND STATE	CASES	VALUE
PACIFIC COAST:			OTHER:		
WASHINGTON.	158,614	$2,758,609	MARYLAND, HAWAII, AND AMERICAN SAMOA. . . .	3,540,930	$64,154,697
OREGON.	1,430,291	27,745,719	PUERTO RICO.	6,365,990	108,257,635
CALIFORNIA.	10,590,022	177,161,350	TOTAL.	9,906,920	172,412,332
TOTAL.	12,178,927	207,665,678	GRAND TOTAL. . . .	22,085,847	380,078,010

PACK OF TUNALIKE FISH, 1970

SPECIES	STANDARD CASES	VALUE
BONITO: SOLID PACK, CHUNKS, AND FLAKES OR GRATED. . . .	139,541	$1,450,339

NOTE:--"STANDARD CASES" REPRESENT THE EQUIVALENT OF FORTY-EIGHT NO. 1/2 TUNA CANS TO THE CASE, EACH CONTAINING 7 OUNCES NET WEIGHT OF SOLID PACK. TUNALIKE FISHES WERE CANNED IN 5 PLANTS IN CALIFORNIA.

PACK OF ALEWIVES, 1970

STATE AND NUMBER OF PLANTS	STANDARD CASES	VALUE
NORTH CAROLINA (3) AND VIRGINIA (1)	43,601	$272,409

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS OF 15 OUNCES EACH.

PACK OF MACKEREL, 1970

ITEM	STANDARD CASES	VALUE
JACK AND PACIFIC MACKEREL, NATURAL AND IN TOMATO SAUCE. .	188,609	$1,533,935

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS OF 15 OUNCES EACH. MOST OF THE PACK WAS CANNED IN 15 OUNCE CANS. MACKEREL WERE CANNED IN 6 PLANTS IN CALIFORNIA.

PACK OF SHAD, 1970

LESS THAN 3 PLANTS CANNED SHAD IN 1970. THE PRODUCTION OF CANNED SHAD HAS BEEN INCLUDED IN THE TABLE "PACK OF MISCELLANEOUS FISHERY PRODUCTS."

PACK OF ANIMAL FOOD FROM FISHERY PRODUCTS, 1970

STATE AND NUMBER OF PLANTS	STANDARD CASES	VALUE
MASSACHUSETTS (3)	2,392,360	$21,960,292
NEW YORK (2) AND NEW JERSEY (1)	116,165	837,640
PENNSYLVANIA (2), MARYLAND (1), AND VIRGINIA (2).	327,440	3,150,300
MISSISSIPPI (3) AND LOUISIANA (1)	3,069,569	16,060,200
ILLINOIS (1), KANSAS,(1), NEBRASKA (1), AND WISCONSIN (2).	417,068	3,099,227
CALIFORNIA (11)	3,345,849	40,825,157
WASHINGTON (5).	181,816	1,638,379
OREGON (6).	401,998	3,378,635
HAWAII (1) AND AMERICAN SAMOA (2)	309,892	4,734,454
PUERTO RICO (4)	681,649	9,547,303
TOTAL (49)	11,243,808	105,231,587

NOTE:--EACH STANDARD CASE CONTAINS 10 OR MORE POUNDS OF FISH. AN ADDITIONAL PACK OF 4,279,615 STANDARD CASES VALUED AT $29,524,100 HAD LESS THAN 10 POUNDS OF FISH PER STANDARD CASE AND IS NOT INCLUDED IN THE ABOVE PACK. "STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS TO THE CASE, EACH CONTAINING 16 OUNCES.

PACK OF FISH ROE AND CAVIAR, 1970

PRODUCT AND NUMBER OF PLANTS	STANDARD CASES	VALUE	STATE OF PRODUCTION AND NUMBER OF PLANTS
ALEWIFE ROE (5)	9,572	$126,116	VIRGINIA (2), AND NORTH CAROLINA (3)
SHAD ROE (4)	545	70,097	WASHINGTON (1), OREGON (2), AND CALIFORNIA (1)
SALMON CAVIAR (4)	2,994	1,351,280	NEW YORK (4)
WHITEFISH CAVIAR (4)	4,647	414,239	NEW YORK (3) AND WISCONSIN (1)
GROUNDFISH ROE (1), STURGEON ROE (3), AND LUMPFISH CAVIAR (3)	6,814	3,004,536	NEW YORK (3) AND MASSACHUSETTS (1)
TOTAL EDIBLE ROE AND CAVIAR (15) 1/	24,572	4,966,268	
SALMON EGGS FOR BAIT (11)	21,040	3,893,183	WASHINGTON (10) AND MICHIGAN (1)
GRAND TOTAL (26)	45,612	8,859,451	

1/ EXCLUSIVE OF DUPLICATION.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS TO THE CASE, EACH CONTAINING 16 OUNCES.

PACK OF FISH ROE AND CAVIAR, BY STATES, 1970

STATE AND NUMBER OF PLANTS	STANDARD CASES	VALUE
NEW YORK (4)	12,784	$4,691,803
VIRGINIA (2) AND NORTH CAROLINA (3)	9,572	126,116
WASHINGTON (11) AND OREGON (2)	17,167	3,488,408
WISCONSIN (1), CALIFORNIA (1), MASSACHUSETTS (1), AND MICHIGAN (1)	6,089	553,124
TOTAL (26)	45,612	8,859,451

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS TO THE CASE, EACH CONTAINING 16 OUNCES.

PACK OF CRAB MEAT, 1970

STATE AND NUMBER OF PLANTS	SPECIES	STANDARD CASES	VALUE
ATLANTIC AND GULF STATES:			
MAINE (1), NORTH CAROLINA (1), SOUTH CAROLINA (1), AND MISSISSIPPI (2)	BLUE 1/	104,284	$3,406,936
PACIFIC COAST STATES:			
WASHINGTON (5)	DUNGENESS	45,442	1,927,720
OREGON (2) AND CALIFORNIA (1)	DUNGENESS	7,888	323,244
ALASKA (12)	DUNGENESS	8,522	455,245
ALASKA (9)	KING	66,949	5,602,961
ALASKA (6)	SNOW	36,326	2,114,900
TOTAL, EXCLUSIVE OF DUPLICATION (27)		165,127	10,424,070
GRAND TOTAL (32)		269,411	13,831,006

1/ INCLUDES A SMALL PACK OF ROCK CRABS IN MAINE.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS TO THE CASE EACH CONTAINING 6-1/2 OUNCES.

PACK OF CLAMS AND CLAM PRODUCTS, 1970

(STANDARD CASES)

SPECIES	WHOLE AND MINCED		CHOWDER AND JUICE		TOTAL	
	CASES	VALUE	CASES	VALUE	CASES	VALUE
CLAMS:						
HARD, SOFT, AND SURF. . .	520,545	$9,231,315	1,905,046	$15,594,811	2,425,591	$24,826,126
RAZOR	1,603	73,183	-	-	1,603	73,183
TOTAL.	522,148	9,304,498	1,905,046	15,594,811	2,427,194	24,899,309

NOTE:--CLAMS WERE CANNED IN 7 PLANTS IN NEW JERSEY, 4 PLANTS IN WASHINGTON AND ALASKA, 3 PLANTS IN MARYLAND, 2 PLANTS IN OREGON, MAINE, AND MASSACHUSETTS, AND 1 PLANT EACH IN DELAWARE, CONNECTICUT, PENNSYLVANIA, NEW YORK, AND CALIFORNIA. "STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT NO. 1 PICNIC CANS, EACH CAN OF WHOLE OR MINCED CLAMS CONTAINING 5 OUNCES OF MEAT, DRAINED WEIGHT, AND EACH CAN OF CHOWDER, JUICE, BROTH, NECTAR, 10 OUNCES NET CONTENT. THE PACK OF CLAMS IN THE SHELL IS NOT INCLUDED.

CLAM PRODUCTION, BY TYPE OF PACK, 1970

PRODUCT AND NUMBER OF PLANTS	STANDARD CASES	POUNDS	VALUE
CLAMS:			
WHOLE (10).	7,624	114,360	$292,278
MINCED (15)	514,524	7,717,860	9,012,220
CHOWDER (13).	1,708,673	51,260,190	14,599,383
JUICE (INCLUDES BOUILLON, BROTH AND NECTAR) (9) .	196,373	5,891,190	995,428
TOTAL, EXCLUSIVE OF DUPLICATION (29)	2,427,194	64,983,600	24,899,309

PACK OF OYSTERS, 1970

STATE AND NUMBER OF PLANTS	STANDARD CASES	VALUE
SOUTH CAROLINA (2), MISSISSIPPI (4), LOUISIANA (3), WASHINGTON (2), OREGON (1)	271,968	$2,101,517

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF TWENTY-FOUR CANS TO THE CASE EACH CONTAINING 4-2/3 OUNCES OF OYSTER MEATS.

PACK OF SHRIMP, 1970

STATE AND NUMBER OF PLANTS	STANDARD CASES	VALUE
GULF STATES: TEXAS (2), LOUISIANA (13), AND MISSISSIPPI (9).	2,542,348	$26,730,147
ATLANTIC AND PACIFIC STATES: WASHINGTON (1), MAINE (1), AND OREGON (3)	77,589	651,002
ALASKA (8)	1,304,623	11,611,145
TOTAL (13)	1,382,212	12,262,147
GRAND TOTAL (37)	3,924,560	38,992,294

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF TWENTY-FOUR CANS TO THE CASE, EACH CONTAINING 4-1/2 OUNCES OF SHRIMP MEATS.

PACK OF MISCELLANEOUS FISHERY PRODUCTS, 1970

PRODUCT	STANDARD CASES	VALUE	LOCATION AND NUMBER OF PLANTS
FISH:			
ANCHOVY PASTE	3,416	$134,727	NEW YORK (2), MARYLAND (1), AND MICHIGAN (1)
GEFILTEFISH	295,903	5,680,355	NEW YORK (1) AND NEW JERSEY (3)
HERRING SPECIALTIES (SPREADS AND TID BITS)	22,486	386,932	MAINE (9)
SALMON, SMOKED	2,969	280,661	WASHINGTON (13), OREGON (7), CALIFORNIA (1), AND ALASKA (12)
STURGEON, SMOKED	439	35,379	WASHINGTON (8) AND OREGON (4)
TUNA SPECIALTIES: SPREADS, WITH NOODLES, CREAMED, AND WITH CHILI	28,599	520,878	MAINE (1), PENNSYLVANIA (2), AND CALIFORNIA (2)
SMOKED	1,366	48,536	WASHINGTON (2), OREGON (2), AND CALIFORNIA (1)
OTHER (COD, HADDOCK, KING MACKEREL, ATLANTIC MACKEREL, MARLIN, POLLOCK, SALMON, SHAD, WAHOO, WHITEFISH, AND YELLOWTAIL. ALL ARE NATURAL PACK OR IN SAUCES OR ARE SMOKED, CHOWDERS, BITES, FLAKES, ETC.)	102,104	1,590,269	MAINE (11), MASSACHUSETTS (1), CONNECTICUT (1), NEW JERSEY (4), FLORIDA (1), CALIFORNIA (2), OREGON (1), WASHINGTON (1), AND AMERICAN SAMOA (2)
TOTAL FISH	457,282	8,677,737	
SHELLFISH:			
CRAB SPECIALTIES (DEVILED, DIPS, SPREADS, SOUPS, GUMBO, BISQUE, NEWBURG, AND SMOKED)	26,019	660,676	MAINE (1), NEW JERSEY (1), MARYLAND (1), SOUTH CAROLINA (1), LOUISIANA (1), AND WASHINGTON (3)
LOBSTER SPECIALTIES (DEVILED, DIPS, NEWBURG, SPREADS, THERMIDOR, PASTE, CHOWDERS, MEAT, KNUCKLES, SOUPS, BISQUE AND IN SAUCES)	14,916	410,704	MAINE (1), CONNECTICUT (1), NEW JERSEY (1), DELAWARE (1), MARYLAND (1), AND MICHIGAN (1)
SHRIMP SPECIALTIES (CREOLE, DIPS, GUMBO, NEWBURG, PASTE, CHOWDER, SOUP, BISQUE, STEWS, IN SAUCES, AND PICKLED)	17,855	358,971	MAINE (1), NEW JERSEY (2), MARYLAND (1), LOUISIANA (3), MICHIGAN (1), AND OREGON (1)
CLAM SPECIALTIES (A LA KING, FRITTERS, DIPS, SPREADS, CRISPS, IN SHELL, SOUPS, BISQUE, STEWS, IN SAUCES, AND SMOKED)	131,631	2,357,637	MAINE (2), CONNECTICUT (1), NEW JERSEY (2), DELAWARE (1), MARYLAND (2), WASHINGTON (5), AND OREGON (1)
OYSTER SPECIALTIES:			
SMOKED	692	58,194	WASHINGTON (5)
STEWS	265,867	5,089,758	NEW JERSEY (2), SOUTH CAROLINA (1), FLORIDA (1), LOUISIANA (1), WASHINGTON (3), AND OREGON (1)
BISQUE AND SOUPS	3,630	33,053	NEW JERSEY (1), LOUISIANA (1), AND WASHINGTON (1)
SQUID	196,636	1,002,907	NEW YORK (1), NEW JERSEY (1), AND CALIFORNIA (6)
TURTLE MEAT, SOUPS, AND CHOWDERS	7,484	213,899	NEW JERSEY (1), FLORIDA (1), AND LOUISIANA (2)
OTHER SPECIALTIES (CRAWFISH, ABALONE, SPINY LOBSTER, MUSSEL, CONCH, AND SCALLOPS, PACKED NATURAL OR IN SAUCES, ETC.)	19,384	658,927	NEW YORK (1), NEW JERSEY (2), MARYLAND (1), FLORIDA (1), LOUISIANA (3), AND CALIFORNIA (1)
TOTAL SHELLFISH	684,114	10,844,726	
GRAND TOTAL	1,141,396	19,522,463	

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS TO THE CASE, EACH CONTAINING 16 OUNCES NET WEIGHT.

PLANTS PRODUCING CANNED FISHERY PRODUCTS, 1970

AREA AND STATE	NUMBER OF PLANTS
NEW ENGLAND:	
MAINE	25
MASSACHUSETTS	5
CONNECTICUT	1
TOTAL	31
MIDDLE ATLANTIC:	
NEW YORK	9
NEW JERSEY	12
PENNSYLVANIA	4
DELAWARE	1
TOTAL	26
CHESAPEAKE BAY:	
MARYLAND	4
VIRGINIA	4
TOTAL	8
SOUTH ATLANTIC AND GULF:	
NORTH CAROLINA	4
SOUTH CAROLINA	2
FLORIDA	3
MISSISSIPPI	10
LOUISIANA	17
TEXAS	2
TOTAL	38
GREAT LAKES AND MISSISSIPPI RIVER:	
ILLINOIS	1
KANSAS	1
MICHIGAN	2
NEBRASKA	1
WISCONSIN	3
TOTAL	8
PACIFIC COAST:	
WASHINGTON	46
OREGON	18
CALIFORNIA	19
ALASKA	110
TOTAL	193
HAWAII	1
AMERICAN SAMOA	2
PUERTO RICO	4
GRAND TOTAL	311

PACK OF CANNED FISHERY PRODUCTS, 1949-70

(STANDARD CASES)

YEAR	SALMON					
	WASHINGTON AND OREGON		ALASKA		TOTAL SALMON	
	CASES	VALUE	CASES	VALUE	CASES	VALUE
1949. . .	1,133,325	$22,167,812	4,391,601	$81,263,171	5,524,926	$103,430,983
1950. . .	1,001,819	27,187,060	3,307,985	82,354,118	4,309,804	109,541,178
1951. . .	1,161,274	29,388,514	3,484,299	79,237,355	4,645,573	108,625,869
1952. . .	890,156	21,906,773	3,574,191	76,357,016	4,464,347	98,263,789
1953. . .	1,049,547	24,067,839	2,862,312	58,172,629	3,911,859	82,240,468
1954. . .	1,068,266	28,915,972	3,094,452	63,339,170	4,162,718	92,255,142
1955. . .	903,816	24,507,762	2,384,820	56,848,555	3,288,636	81,356,317
1956. . .	482,304	16,523,868	3,022,906	78,577,457	3,505,210	95,101,325
1957. . .	743,003	23,245,194	2,463,599	62,904,280	3,206,602	86,149,474
1958. . .	760,663	26,712,763	2,971,297	66,108,959	3,731,960	92,821,722
1959. . .	687,199	22,358,370	1,778,014	49,468,965	2,465,213	71,827,335
1960. . .	263,197	11,661,978	2,571,156	76,534,952	2,834,353	88,196,930
1961. . .	484,764	18,657,917	3,211,962	98,296,650	3,696,726	116,954,567
1962. . .	325,919	12,320,938	3,474,817	94,390,920	3,800,736	106,711,858
1963. . .	639,378	20,528,749	2,655,479	67,434,050	3,294,857	87,962,799
1964. . .	209,819	8,230,687	3,549,379	87,530,030	3,759,198	95,760,717
1965. . .	365,679	15,035,941	3,267,935	107,708,140	3,633,614	122,744,081
1966. . .	367,090	15,528,682	3,990,425	120,546,688	4,357,515	136,075,370
1967. . .	608,339	24,039,825	1,464,006	52,081,517	2,072,345	76,121,342
1968. . .	209,717	8,634,215	3,237,982	109,381,249	3,447,699	118,015,464
1969. . .	267,728	12,549,383	2,252,022	84,676,144	2,519,750	97,225,527
1970. . .	237,642	12,943,097	3,675,704	129,717,539	3,913,346	142,660,636

YEAR	TUNA		TUNALIKE FISHES		MACKEREL	
	CASES	VALUE	CASES	VALUE	CASES	VALUE
1949. . .	7,130,453	$96,039,797	159,867	$1,670,528	1,049,927	$6,848,930
1950. . .	8,944,598	112,136,363	71,943	693,731	1,457,048	7,491,816
1951. . .	8,131,274	98,102,229	105,451	943,977	1,048,518	6,259,224
1952. . .	8,893,889	111,075,890	227,000	1,958,620	1,525,353	11,362,697
1953. . .	9,407,059	124,744,195	172,967	1,513,413	596,321	5,038,512
1954. . .	10,810,849	141,504,299	78,049	644,517	366,181	2,508,715
1955. . .	9,933,580	125,222,513	4,815	36,551	564,429	3,333,979
1956. . .	11,827,156	140,287,093	6,859	51,249	1,116,343	6,434,860
1957. . .	11,891,011	135,812,882	12,079	94,021	1,326,584	7,403,682
1958. . .	14,094,101	161,793,000	111,371	821,919	404,425	2,657,012
1959. . .	14,331,713	159,142,613	57,505	382,932	586,818	4,234,735
1960. . .	15,305,434	172,678,873	14,423	106,859	934,746	5,803,965
1961. . .	15,767,704	189,173,434	159,065	1,119,967	1,378,353	8,528,649
1962. . .	17,017,928	209,820,638	31,935	212,550	1,220,374	7,559,600
1963. . .	16,555,820	201,587,651	71,541	570,403	1,275,452	7,603,429
1964. . .	17,689,003	217,584,565	24,674	177,062	1,070,823	6,760,040
1965. . .	18,098,804	232,976,412	48,253	393,588	703,447	4,997,034
1966. . .	19,953,567	270,239,053	229,014	1,828,935	412,776	3,346,044
1967. . .	19,681,636	261,527,288	311,346	2,528,466	282,958	2,362,688
1968. . .	20,011,690	268,731,412	214,716	1,837,499	495,424	4,098,122
1969. . .	19,974,575	297,455,948	252,548	2,180,363	385,646	3,316,721
1970. . .	22,085,847	380,078,010	139,541	1,450,339	188,609	1,535,935

YEAR	SARDINES				ANCHOVIES		ALEWIVES	
	MAINE		PACIFIC					
	CASES	VALUE	CASES	VALUE	CASES	VALUE	CASES	VALUE
1949. . .	3,074,523	$21,051,675	3,768,212	$21,334,825	5,771	$34,184	111,994	$469,398
1950. . .	3,844,164	21,209,033	5,070,805	26,345,609	38,096	227,496	69,568	316,993
1951. . .	1,676,764	14,635,352	2,864,984	19,362,744	63,060	489,062	127,760	604,314
1952. . .	3,530,876	21,502,970	106,746	918,072	674,286	4,737,391	79,861	374,680
1953. . .	2,782,495	16,954,119	63,612	653,131	1,061,995	7,661,173	111,391	507,925
1954. . .	2,934,933	18,152,815	1,338,101	9,817,893	505,972	2,772,701	65,716	290,550
1955. . .	1,268,843	9,333,350	1,414,609	10,013,590	415,149	2,430,732	44,645	206,004
1956. . .	2,231,441	16,692,008	754,734	5,734,498	612,302	3,360,586	40,805	164,940
1957. . .	2,217,688	14,733,259	497,756	4,720,656	440,247	2,344,319	30,562	131,019
1958. . .	2,099,959	15,873,963	2,222,586	16,497,157	53,735	308,848	51,182	231,339
1959. . .	1,753,145	14,902,142	754,571	5,399,228	4,275	29,444	72,893	340,459
1960. . .	1,997,618	16,699,987	615,865	4,658,747	(1)	(1)	41,891	194,524
1961. . .	753,647	7,559,619	419,086	3,664,077	73,108	409,276	52,339	240,828
1962. . .	2,147,367	20,076,606	137,064	1,299,979	16,414	62,677	61,368	273,616
1963. . .	1,619,235	13,243,902	57,072	685,037	(1)	(1)	93,933	374,563
1964. . .	865,751	7,583,821	120,850	1,029,903	(1)	(1)	74,581	300,402
1965. . .	1,266,903	10,868,060	8,316	71,267	(1)	(1)	66,942	271,342
1966. . .	1,332,544	12,261,590	2,581	24,750	(1)	(1)	96,816	394,789
1967. . .	1,250,411	13,862,330	(1)	(1)	(1)	(1)	109,929	506,089
1968. . .	1,730,306	19,296,678	(1)	(1)	(1)	(1)	75,768	448,994
1969. . .	1,042,806	11,531,342	-	-	(1)	(1)	62,088	367,898
1970. . .	805,590	11,226,817	-	-	-	-	43,601	272,409

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PACK OF CANNED FISHERY PRODUCTS, 1949-70 - Continued

(STANDARD CASES)

YEAR	FISH ROE, CAVIAR, AND EGGS FOR BAIT		ANIMAL FOOD 2/		CRAB MEAT	
	CASES	VALUE	CASES	VALUE	CASES	VALUE
1949. . . .	86,459	$1,969,998	1,931,757	$8,663,442	161,829	$3,490,885
1950. . . .	71,557	1,908,559	2,721,463	13,871,430	137,203	3,121,269
1951. . . .	76,095	1,926,140	2,341,871	11,675,809	149,945	3,586,558
1952. . . .	64,080	1,681,010	3,497,733	15,667,950	86,058	2,087,019
1953. . . .	65,742	1,812,844	3,881,245	17,348,052	114,886	2,898,016
1954. . . .	61,147	1,874,937	4,027,368	18,419,757	154,522	3,699,293
1955. . . .	58,218	1,910,580	5,337,449	27,517,188	99,180	2,190,664
1956. . . .	63,053	1,957,045	6,688,039	32,715,455	124,667	2,720,848
1957. . . .	63,314	2,453,769	7,223,382	34,152,747	154,514	3,104,606
1958. . . .	64,020	2,695,580	7,503,248	41,959,061	143,809	3,070,355
1959. . . .	70,800	2,648,269	7,210,467	37,077,034	150,890	3,548,677
1960. . . .	66,107	2,729,387	8,786,922	43,979,255	211,019	5,456,628
1961. . . .	59,262	2,898,880	6,944,775	39,072,156	256,433	7,226,711
1962. . . .	77,587	3,159,196	7,826,774	45,866,224	288,235	7,826,022
1963. . . .	69,919	3,337,938	6,378,936	39,041,806	377,255	10,322,026
1964. . . .	88,296	4,927,300	7,341,670	43,470,700	336,793	8,636,464
1965. . . .	72,801	4,195,989	7,736,565	46,847,744	468,656	14,738,883
1966. . . .	59,631	4,690,785	7,596,229	54,613,700	564,198	16,444,462
1967. . . .	64,894	5,070,966	10,397,898	78,255,879	497,782	16,117,063
1968. . . .	56,306	6,586,168	10,088,424	82,504,451	206,099	8,977,132
1969. . . .	50,904	6,095,571	9,407,814	80,678,683	257,216	13,213,610
1970. . . .	45,612	8,859,451	11,243,808	105,231,587	269,411	13,831,006

YEAR	CLAM PRODUCTS					
	WHOLE AND MINCED		CHOWDER, JUICE, BROTH, ETC.		TOTAL	
	CASES	VALUE	CASES	VALUE	CASES	VALUE
1949. . . .	297,977	$3,203,325	888,083	$5,575,693	1,186,060	$8,779,018
1950. . . .	446,725	4,381,938	1,072,225	6,457,951	1,518,950	10,839,889
1951. . . .	383,691	4,674,252	1,110,861	7,099,657	1,494,552	11,773,909
1952. . . .	381,181	3,787,773	1,317,810	8,421,785	1,698,991	12,209,558
1953. . . .	314,002	3,892,749	1,331,333	8,737,054	1,645,335	12,629,803
1954. . . .	401,266	4,534,708	1,229,327	7,766,325	1,630,593	12,301,033
1955. . . .	369,963	4,332,274	1,259,144	7,725,052	1,629,107	12,057,326
1956. . . .	401,568	5,094,064	1,346,020	8,387,068	1,747,588	13,481,132
1957. . . .	382,628	5,118,046	1,294,981	8,198,608	1,677,609	13,316,654
1958. . . .	325,036	4,601,773	1,256,212	7,948,856	1,581,248	12,550,629
1959. . . .	416,756	5,422,013	1,182,495	7,868,815	1,599,251	13,290,828
1960. . . .	384,630	5,108,310	1,316,225	8,567,359	1,700,855	13,675,669
1961. . . .	460,492	5,727,019	1,443,795	10,097,365	1,904,287	15,824,384
1962. . . .	598,879	7,086,240	1,501,180	10,028,659	2,100,059	17,114,899
1963. . . .	548,348	6,374,165	1,683,877	11,074,858	2,232,225	17,449,023
1964. . . .	578,569	6,693,714	1,722,318	11,262,788	2,300,887	17,956,502
1965. . . .	611,682	7,028,322	1,947,237	11,068,520	2,558,919	18,096,842
1966. . . .	586,915	7,254,136	2,033,032	13,870,782	2,619,947	21,124,918
1967. . . .	689,131	8,951,292	1,846,813	12,774,266	2,535,944	21,725,558
1968. . . .	507,752	6,725,490	1,807,132	13,718,062	2,314,884	20,443,552
1969. . . .	431,925	6,913,201	1,889,123	14,734,420	2,321,048	21,647,621
1970. . . .	522,148	9,304,498	1,905,046	15,594,811	2,427,194	24,899,309

YEAR	OYSTERS		SHRIMP		OTHER FISH AND SHELLFISH	TOTAL
	CASES	VALUE	CASES	VALUE	VALUE	VALUE
1949. . . .	905,836	$6,525,207	1,477,158	$11,203,325	$3,991,710	$295,503,905
1950. . . .	984,780	7,096,235	1,747,224	12,773,346	3,762,400	331,335,347
1951. . . .	932,668	5,931,276	1,935,936	12,187,049	5,106,783	301,210,295
1952. . . .	1,058,286	7,047,441	1,817,578	12,998,814	3,943,297	305,829,198
1953. . . .	977,816	6,559,309	2,258,036	18,946,622	7,366,092	306,873,674
1954. . . .	932,168	5,829,378	2,077,158	13,691,253	7,255,583	331,017,866
1955. . . .	1,119,204	7,003,967	2,002,307	13,562,310	6,990,290	303,165,361
1956. . . .	930,276	6,256,581	2,020,138	16,421,433	8,136,821	349,515,874
1957. . . .	997,352	7,008,471	1,351,113	13,135,880	11,267,620	335,829,059
1958. . . .	797,102	5,444,713	2,119,731	20,790,602	11,066,256	388,582,156
1959. . . .	842,234	5,720,918	2,049,222	16,948,470	12,758,011	348,251,095
1960. . . .	821,042	5,640,280	2,113,820	17,232,593	10,541,608	387,595,305
1961. . . .	891,370	5,776,364	1,375,418	11,741,826	12,645,656	422,836,394
1962. . . .	643,010	4,556,815	1,962,840	18,973,182	13,351,857	456,865,719
1963. . . .	892,688	5,632,817	2,356,216	19,531,170	14,264,078	421,606,642
1964. . . .	844,522	5,291,680	1,442,960	12,985,850	14,194,662	436,659,668
1965. . . .	576,100	3,700,653	2,315,448	20,654,847	14,673,764	495,230,506
1966. . . .	400,000	3,201,143	2,103,925	21,973,348	17,489,483	563,708,370
1967. . . .	660,374	6,152,076	2,496,427	24,332,213	17,001,305	525,563,263
1968. . . .	650,962	5,623,645	2,809,965	29,443,519	17,901,148	583,907,784
1969. . . .	285,696	2,163,504	2,835,882	27,946,493	16,989,168	580,812,449
1970. . . .	271,968	2,101,517	3,924,560	38,992,294	19,522,331	750,661,641

1/ INCLUDED WITH "OTHER FISH AND SHELLFISH."
2/ BEGINNING IN 1961 CANNED ANIMAL FOOD INCLUDES ONLY THE PACK CONTAINING 10 POUNDS OR MORE OF RAW FISH PER STANDARD CASE.

HOW'S BUSINESS?

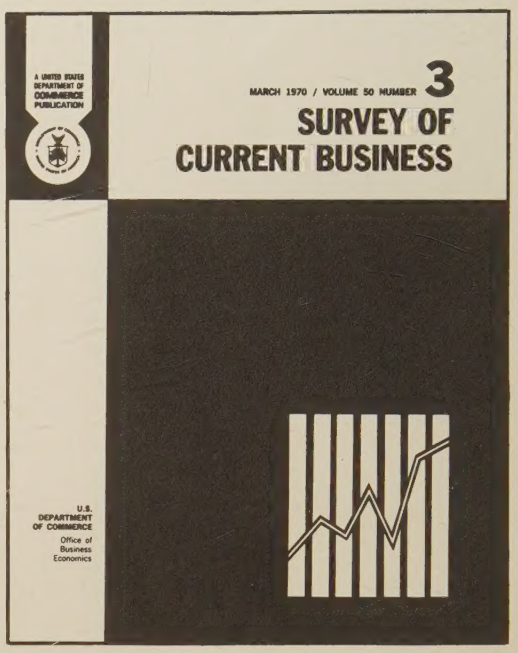
To get the answer ... read the monthly SURVEY OF CURRENT BUSINESS

published by the Office of Business Economics, U.S. Department of Commerce.

SURVEY is for businessmen, government administrators, trade association executives, union officials, economists, statisticians, market researchers, and anyone else who wants to know, month by month, the state of the Nation's economy.

SURVEY carries articles on special subjects, such as state personal incomes, corporate profits, business programs for new plant and equipment, foreign trade, Federal Government receipts and expenditures, and current price developments.

SURVEY issues show more than 2,500 statistical series for each month of the past year or for each quarter over the past several years, plus annual data for recent years.


A UNITED STATES DEPARTMENT OF COMMERCE PUBLICATION
MARCH 1970 / VOLUME 50 NUMBER 3
SURVEY OF CURRENT BUSINESS
U.S. DEPARTMENT OF COMMERCE
Office of Business Economics

SURVEY is the official source of the Gross National Product statistics and the statistics on the U. S. balance of payments.

12 monthly issues averaging 70 pages, including about 40 of tabular material. And, at no extra cost, a weekly four-page supplement to keep the subscriber posted on current figures as they become available to the Office of Business Economics.

$9.00 per annual subscription

Order from:

Superintendent of Documents
Government Printing Office
Washington, D.C. 20402

OR

Any U.S. Department of Commerce Field Office

Enclosed is $..... (send only check, money order, or Supt. Docs. coupons).
Or charge to Deposit Account No. ..... Make check or money order payable to the Superintendent of Documents.

Please enter my subscription(s) to the **SURVEY OF CURRENT BUSINESS**

Mail to: Name .....

Address .....

City, State, ZIP Code .....